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Pushing Performance
Since 1945

ix Industrial 10A-1 plug A1-I24



Image is for illustration purposes only. Please refer to product description.

Part number	09 45 181 2582 XL
Specification	ix Industrial 10A-1 plug A1-I24
HARTING eCatalogue	https://b2b.harting.com/09451812582XL

Identification

Category	Connectors
Series	HARTING ix Industrial®
Identification	Data
Element	Cable connector
Specification	Angled bottom

Version

Termination method	IDC termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	8
further contacts	+ 2x GND
Coding	Type A
Pack contents	Bulk packaging

Technical characteristics

Conductor cross-section	AWG 24/7
Wire outer diameter	1.1 ... 1.25 mm
Rated current	1.5 A
Rated voltage	50 V AC 60 V DC
Transmission characteristics	Cat. 6_A Class E_A up to 500 MHz

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Technical characteristics

Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Insertion force	≤25 N
Withdrawal force	≤25 N
Mating cycles	≥5,000
Degree of protection acc. to IEC 60529	IP20
Cable diameter	5.5 ... 7.2 mm
Test voltage $U_{r.m.s.}$	0.5 kV
Retention force	≥80 N locking

Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side Au over Ni Termination side Sn over Ni Mating side (shielding) Ni Termination side (shielding)
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel

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Specifications and approvals

Specifications	IEC 61076-3-124 EN 45545-2
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes

Commercial data

Packaging size	100
Country of origin	Japan
European customs tariff number	85366990
GTIN	5713140223240
eCl@ss	27440114 Rectangular connector (for field assembly)